

Abstract of the Disclosure

HYDRAULIC CONTROL SYSTEM
FOR REDUCING MOTOR CAVITATION

A fluid control system includes at least one double-acting cylinder and at least one fluid-driven motor. A pressurized fluid source supplies pressurized fluid flow to the at least one double-acting cylinder and the at least one fluid-driven motor, and a tank receives return fluid flow from the at least one double-acting cylinder and the at least one fluid-driven motor. A back pressure element is disposed between the tank and the motor and may influence a fluid backpressure condition of fluid discharged from the motor. A dedicated flow line may provide make-up fluid to the motor at a location between the motor and the back pressure element.